

**ABSTRACT**

The present invention concerns antibodies that neutralize at least one biological activity of pleiotrophin. The antibodies can inhibit cancer cell growth and angiogenesis *in vitro* or *in vivo*. The present invention provides for methods of inhibiting cancer cell growth or angiogenesis in a subject comprising administering to said subject an effective amount of the antibodies described herein. The present invention also provides for methods of making the neutralizing antibodies described herein.